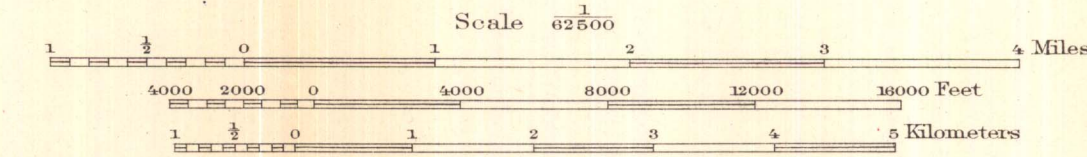


NAME OF CLAIM OR OWNER

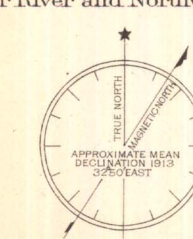
1. Lost Cabin extension
2. Goodenough
3. New Home
4. Valdez
5. Silver Star
6. Joe Dandy
7. Great Northern Development Co. (owner)
8. Skyscraper
- 9.
- 10.
- 11.
12. A. Ammann (owner)
13. Thos. Larson (owner)
14. Bird Lanes
15. Bunker Hill
16. A. Ammann (owner)
17. A. Ammann (owner)
18. Mullen
19. Albert Johnson
20. Elizabeth
21. Goodyear
22. Mary Ellen
23. Copper King
24. Great Northern Development Co. (owner)
25. Great Northern Development Co. (owner)
26. Young & Barrett (owners)
27. Young & Barrett (owners)
28. Valdez (Alaska Copper Corporation)
29. Bighorn
30. Young & Pierson (owners)
31. Copper Queen
32. North Midas Copper Co.
33. Canning & Centino (owners)
34. Warner
35. Cave
36. Mountain Sheep
37. Forget-me-not
38. Mountain Boy
39. Great Northern Development Co.
40. Mayflower
41. London and Cape
42. War Eagle

GEOLOGIC MAP AND SECTIONS OF THE KOTSINA-KUSKULANA DISTRICT COPPER RIVER REGION ALASKA



Contour interval 100 feet.

Datum is mean sea level.

Elevations based on bench marks of the
Copper River and Northwestern R.R.

1923

EXPLANATION

SEDIMENTARY ROCKS

- Recent**
- Osg Stream gravel
(Gravel, sand, and silt forming the stream bed)
 - Org "Rock glacier"
(Angular debris with flow lines, probably representing a final phase of glaciation, possibly in part contemporaneous with some of the terrace gravel)
 - Qt Terrace gravel
(Stream-laid gravel, sand, and silt, in part colored from former glaciers)
- Quaternary and Recent**

UNCONFORMITY

- Jl Light-colored, highly fossiliferous limestone, commonly peppered throughout with tiny black specks

- Upper Jurassic**
- Js Sandstone, conglomerate, and shale
(Lower part may possibly correspond to part of the Kotsina conglomerate)

- Kotsina conglomerate**
(Dark massive conglomerate with rare thin lenses, locally made up of fine well-sorted pebbles)

UNCONFORMITY

- Upper Triassic**
- Rk Kuskulana formation
(Thin-bedded dark limestone with shale partings at base certain by thin-bedded impure limestone or argillite and shale, and this in turn by black shale)

- Chiststone limestone**
(Massive blue-gray limestone at base, overlain by thin-bedded dark-gray limestone)

- Mississippian**
- Cs Strelina formation
(Stratified tuff beds and dense fine-grained basalt with argillaceous and sandy shale and thin-bedded chert in various amounts. Locally contains beds of limestone in various stages of calcification, the more important of which are mapped separately. In a number of places the rocks of the Strelina formation are cut by intrusive masses of diorite and gabbro, commonly more or less altered)

- Limestone beds in the Strelina formation**
(Thin limestone locally silicified and recrystallized)

IGNEOUS ROCKS

- Porphyritic dikes**
(Chiefly quartz diorite porphyry, in part fine-grained quartz latite)

- Basalt and basalt porphyry dikes**
(Dark-gray to black and fine-grained)

- Quartz latite**
(Fine-grained light-colored intrusions)

- Granodiorite**
(Light-gray granular intrusions of medium grain)

- Triassic or Triassic**
- Ng Nikolai greenstone
(Dark-green fine-grained lava flows with coarse granular intrusions of basic diorite and gabbro; all more or less altered)

- Strike and dip of strata**
Strike of vertical bed

- Fault**
Gold and silver mine

- Gold lode prospect**
Copper lode prospect

- Fossil locality with number referred to in text**

QUATERNARY

CENOZOIC

JURASSIC

MESOZOIC

TRIASSIC

CARBONIFEROUS

PALEOZOIC

POST-JURASSIC

MESOZOIC OR YOUNGER

POST-TRIASSIC

CARBONIFEROUS

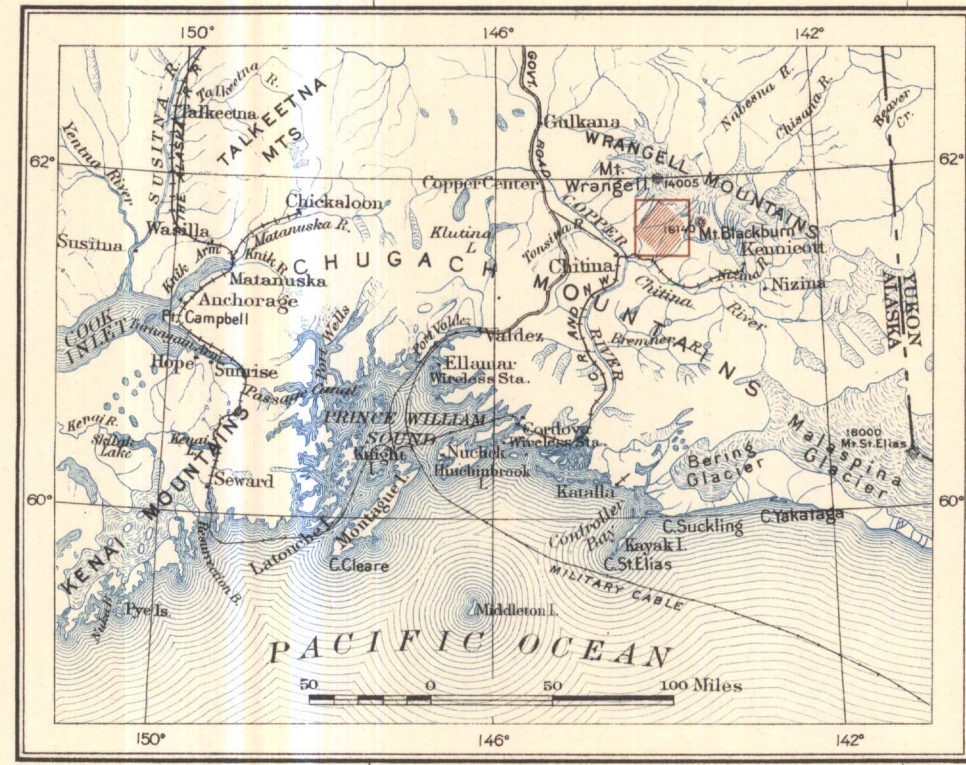
MESOZOIC OR YOUNGER

TRIASSIC OR

CARBONIFEROUS

MESOZOIC OR

PALEOZOIC



KEY MAP

R. H. Sargent, Topographic Engineer in charge
Topography and control by D. C. Witherspoon
Surveyed in 1912-1913

SW.

FEET ABOVE
SEA LEVEL

7,000

6,000

5,000

4,000

3,000

2,000

SECTION ALONG LINE A-A'

SW.

FEET ABOVE
SEA LEVEL

7,000

6,000

5,000

4,000

3,000

2,000

SECTION ALONG LINE C-C'

NE.

FEET ABOVE
SEA LEVEL

7,000

6,000

5,000

4,000

3,000

2,000

SECTION ALONG LINE B-B'

NE.

FEET ABOVE
SEA LEVEL

7,000

6,000

5,000

4,000

3,000

2,000

SECTION ALONG LINE D-D'

E.

FEET ABOVE
SEA LEVEL

7,000

6,000

5,000

4,000

3,000

2,000